

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005954 A2

(51) International Patent Classification⁷: **G01N**

(21) International Application Number:
PCT/US2004/017431

(22) International Filing Date: 30 June 2004 (30.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/483,121 30 June 2003 (30.06.2003) US

(71) Applicants (for all designated States except US): **THE BRIGHAM & WOMEN'S HOSPITAL, INC.** [US/US]; 75 Francis Street, Boston, MA 02115 (US). **U.S. DEPARTMENT OF VETERANS AFFAIRS OFFICE OF THE GENERAL COUNSEL-PSG IV (024)** [US/US]; 810 Vermont Avenue N.W., Washington, DC 20420 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GILBERT, Gary, E.** [US/US]; U.S. Department of Veterans Affairs, Office

of general Counsel - PSG IV (024), 810 Vermont Avenue N.W., Washington, D.C. 20420 (US). **SHI, Jialan** [CN/US]; U.S. Department of Veterans Affairs, Office of general Counsel - PSG IV (024), 810 Vermont Avenue N.W., Washington, D.C. 20420 (US). **HEEGAARD, Christian, W.** [DK/DK]; Solvej 8, DK-8250 Egaa (DK). **RASMUSSEN, Jan, T.** [DK/DK]; Knudsvej 36, DK-8680 Ry (DK).

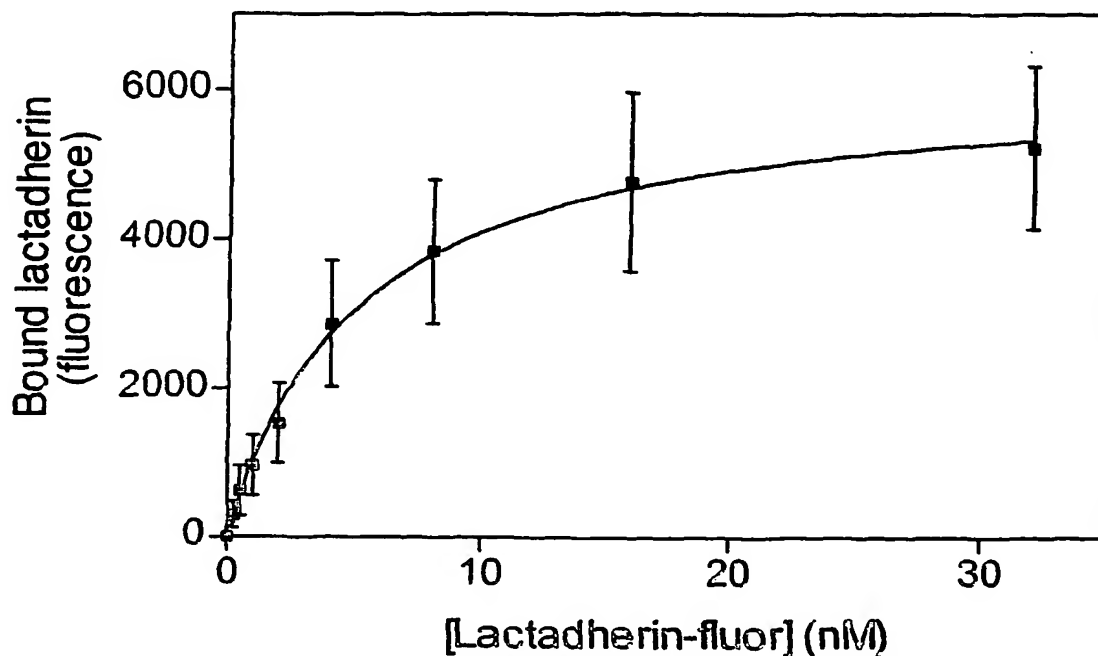
(74) Agent: **AGARWAL, Dinesh**; Dinesh Agarwal, P.C., 5350 Shawnee Road, Suite 330, Alexandria, VA 22312 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: METHOD, COMPOSITION AND KIT FOR DETECTING PHOSPHATIDYLSERINE (PS) ON CELL MEMBRANES



(57) Abstract: A method, composition and kit for detecting the presence of a phospholipid, such as phosphatidylserine, on a cell membrane is provided. A binding agent including lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, or a functional equivalent of a fragment of lactadherin, is used to detect the presence of any phospholipid.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*